

HAZARDOUS MATERIALS DATA SHEET
(PLEASE COMPLETE APPLICABLE SECTIONS)

APM 5-18

1. PRODUCT NAME, NUMBER, SYNONYM: ARCO Cleaning Solvent, Pain Thinner Light (Stoddard Solvent)
2. MANUFACTURER'S NAME: Atlantic Richfield Company
3. MANUFACTURER'S ADDRESS: 1801 E. Sepulveda - Carson, California (Watson Refinery)
4. PROCEDURE IN CASE OF BREAKAGE OR LEAKAGE: Low vapor pressure and volatility require that liquid be collected or flushed to disposal site or adsorbed in solid granular material for disposal. Precautions against ignition must be taken.
5. TRANSPORTATION AND STORAGE REQUIREMENTS: Ref.: Dangerous Properties of Industrial Materials, N. Irving Sax, 2nd Edition, Section 11, Page 179
6. FIRST AID TREATMENT:
 - A. SKIN CONTACT: Wash skin with soap and water
 - B. EYE CONTACT: Wash eyes with copious quantity of water.
 - C. INHALATION: Remove to uncontaminated atmosphere.
 - D. ANTIDOTE IN CASE OF SWALLOWING: Do not induce vomiting. Call a physician
7. PHYSIOLOGICAL PROPERTIES:
 - A. ACUTE ORAL TOXICITY: Very slightly toxic by oral ingestion. Hazardous by aspiration into lungs.
 - B. LOCAL EFFECTS UPON EYES: Very slightly irritating.
 - C. LOCAL EFFECTS UPON SKIN: Slightly irritating. Acts as a defatting agent and can produce dermatitis.
 - D. ESTIMATE OF ACUTE HAZARD BY INHALATION (VOLATILE MATERIALS): Slightly toxic.
 - E. WARNING PROPERTIES (ODOR, IRRITATION TO EYES, NOSE OR THROAT): Petroleum naphtha odor. High concentrations of vapor will irritate nose and eyes.
 - F. ESTIMATED THRESHOLD LIMIT VALUE (IF NOT ON CURRENT LIST BY AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS): 500 ppm
8. CHEMICAL AND PHYSICAL PROPERTIES:
 - A. SPECIFIC GRAVITY (WATER = 1) 0.76 - 0.79
 - B. VAPOR DENSITY (AIR = 1) 3.9
 - C. VAPOR PRESSURE mm Hg AT 25°C. Less than 0.1 psia
 - D. pH Neutral
 - E. CORROSIVE ACTION ON COMMON MATERIALS SUCH AS: ALUMINUM, MAGNESIUM, PLEXIGLAS, RUBBER, LACQUERS, ENAMELS, FABRICS: Softens natural rubber; can cause crazing on plexiglas.

F. DOES THE MATERIAL DECOMPOSE WHEN EXPOSED TO AIR? WATER? HEAT? STRONG OXIDIZERS? Yes

G. FOR MIXTURES GIVE THE PERCENTAGE COMPOSITION OF INGREDIENTS:

COMPOUND	PERCENT
Toluene	0.04
Ethyl Benzene	0.10
Meta + Paraxylene	0.37
Ortho Xylene	0.21
C9+ Aromatics	5.59
Non Aromatics	93.69

NOTE: GENERALIZATIONS SUCH AS PETROLEUM HYDROCARBONS, ALCOHOL, KETONES, CHLORINATED HYDROCARBONS, ETC., ARE NOT ADEQUATE FOR TOXICOLOGICAL EVALUATION. PROPER CHEMICAL NAMES MUST BE KNOWN.

H. DOES THE MATERIAL GENERATE HEAT THROUGH POLYMERIZATION OR CONDENSATION? No

9. PRECAUTIONS FOR NORMAL CONDITIONS OF USE: Excessive temperature changes may require venting.
Comply with ICC and DOT regulations for flammable liquids.

10. RECOMMENDED PROTECTIVE EQUIPMENT: Protective gloves; goggles

11. A. FLASHPOINT °F: CLOSED CUP 102; OPEN CUP 110; IF F.P. CHANGES DURING EVAPORATION GIVE DATA:
No available data.

B. EXPLOSIVE LIMITS (% VOL. AIR): LOWER 1.1; UPPER 6.0

C. SUSCEPTIBILITY TO SPONTANEOUS HEATINGS: YES ; NO

D. FIRE POINT °F 125; AUTO IGNITION TEMPERATURE °F 450-500

E. VAPOR DENSITY 3.9 (Air = 1)

F. WHAT PRODUCTS MIGHT BE FORMED IN THE EVENT OF FIRE OR ABNORMAL TEMPERATURES? With increased temperatures, material vaporizes and may explode; can react with oxidizing materials.

G. SUITABLE EXTINGUISHING AGENTS: Foam, carbon dioxide, dry chemical or carbon tetrachloride

12. INFORMATION FURNISHED BY: C. R. Bane

TITLE: Manager, Product Quality

COMPANY: Atlantic Richfield Company

ADDRESS: 400 East Sibley Boulevard, Harvey, Illinois 60426

DATE: November 20, 1970

NOTE: INFORMATION IN REGARD TO A MATERIAL'S COMPOSITION WILL BE TREATED AS CONFIDENTIAL AND USED FOR THE PURPOSE OF PROTECTING THE HEALTH AND SAFETY OF MCDONNELL DOUGLAS CORP. EMPLOYEES AND THE SAFEGUARDING OF ITS PROPERTY. IT WILL ALSO BE USED FOR THE PURPOSE OF COMPLYING WITH LOCAL, STATE AND FEDERAL ORDINANCES, LAWS AND CODES, AND REQUIREMENTS OF GOVERNMENTAL AGENCIES.

THE COMPLETED FORM SHOULD BE RETURNED TO PURCHASING, DOUGLAS AIRCRAFT DIVISION, LONG BEACH, CALIF. 90801.